

## Research Proposal

### Mrs. Gardner's Third and Fourth Grade Science Classes

#### Connally Elementary, Waco, Tx

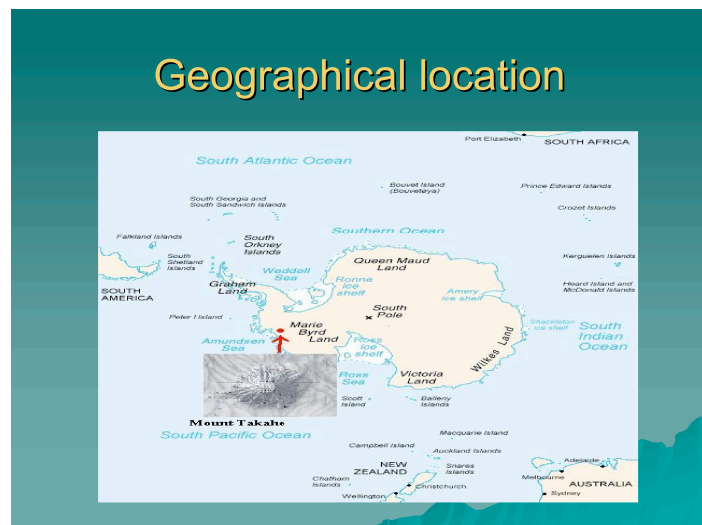
Our third and fourth graders have chosen Mount Takahe volcano and other buried volcanoes in Western Antarctica as the ice feature we want to research further.

A large, isolated snow-covered mountain (an extinct volcano) standing 40 mi SE of Toney Mountain in Marie Byrd Land. It is roughly circular, 18 mi across, and rises to 3,400 meters. This mountain was probably among those viewed from a distance by Admiral Byrd and other members of the USAS in plane flights from the ship Bear on Feb. 24 and 25, 1940. It was visited in December 1957 by members of the Marie Byrd Land Traverse Party, 1957-58, who applied the name. "Takahe," the Maori name for a flightless, almost extinct New Zealand bird, is the nickname of the U.S. Navy LC-47 aircraft whose crew resupplied the traverse party near this mountain and assisted by providing aerial reconnaissance to locate passable routes.

([http://geonames.usgs.gov/pls/gnispublic/f?p=105:3:8597733731996127::NO::P3\\_ANTAR\\_ID:14967](http://geonames.usgs.gov/pls/gnispublic/f?p=105:3:8597733731996127::NO::P3_ANTAR_ID:14967))



Coordinates: 76.2 °S, 112°W



site: <file:///C:/Documents%20and%20Settings/pgardner/Local%20Settings/Temporary%20Internet%20Files/Content.IE5/MUNAJGKP/stoica%5B1%5D.ppt#257,2,Geographical location>

#### Reasons to study Mount Takahe:

We want to study Mount Takahe because we want to know if it is still active, how old it is, its last eruption date, and much more. The reason we want to know these things is because if it erupts it would melt a lot of Antarctica and cause part of the world to flood. It will also cause some animal species to become endangered or to become extinct. The oceans will also rise significantly. We would also like to research the following questions: Will Mount Takahe erupt

again and why has it not erupted in a long time? We believe that researching Mount Takahe will also tell us more about crevasses and glaciers.

**Hypothesis:** Our hypothesis is continental drift caused Mount Takahe to form in Antarctica. We believe that Mount Takahe might have been part of another continent that drifted and hooked up to Antarctica. That is where the volcano started to build up. There was some magma way under ground and all of that magma built up pressure and formed a volcano.

**Funding:**

We should be funded to research Mount Takahe because we need to learn if and when it will erupt again. We also need to learn why the volcano has been dormant so long. Learning about Mount Takahe can give us valuable information about other dormant volcanoes or maybe how to cause active volcanoes to become dormant to protect people who live near them.